

S144879



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

SWA3-3-OH
Job Sheet OH188758



Part No: SWA3-3-OH

Job Qty: 1 ea

Part Name: Electric Swivel 3,000 lb Safe Work Load (1,360 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/15/19

Job Tracking No: RA523

Due Date: 1/25/19

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: 2304-C5

Note: DWG SWA3-3 Rev 3 IPP Rev A 18.03.05 New issue DP verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea	1/25/19	1/25/19	0.00	0.00	Start Up Small Fab-4		DAS
110	Small Fab	1 pcs	1/25/19	1/25/19	0.00	1.00	Small Fab-9		DAS 30
120	QC	1 pcs	1/25/19	1/25/19	0.00	0.00	QC5		30 9-89
130	Customer Acceptance	1 pcs	1/25/19	1/25/19	0.00	0.00	QC6		9-89
140	Outsource	1 pcs	1/25/19	1/25/19			SKY002-VC	5	19-01-18
150	Packaging	1 pcs	1/25/19	1/25/19	0.00	0.00	Packaging2		JAN 24 2019
160	QC	1 pcs	1/25/19	1/25/19	0.00	0.00	QC6		38 9-89
170	Small Fab	1 pcs	1/25/19	1/25/19	0.00	1.00	Small Fab-9		Michel
180	QC	1 pcs	1/25/19	1/25/19	0.00	0.00	QC5		DAS 21
185	DC	1 pcs	1/25/19	1/25/19	0.00	0.00	DC		9-89 JAN 31 2019
190	Packaging	1 pcs	1/25/19	1/25/19	0.00	0.00	Packaging3-2		9-89
200	QC21-FG	1 Ea	1/25/19	1/25/19	0.00	0.00	QC21		DAS 21 9-89

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels Photocopy blue file OM & OOPM-SWA3A Rev3

140 - SkyService - P004320



Container No: S144879



Part: SWA3-3
Job No: OH188758
Serial No/Batch: 2304-C5

Revision: 2

Inspector:

Exp Date:

Instructions:

Date: 01/18/19

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA3-3-AR	Electric Swivel 3,000 lb Safe Work Load (1,360 Kg)	1 pcs (1 ea)	100-Start up Operation	5141082
188-FPSS-832-1/4	Set Screw	1 Ea (1 ea)	170-Small Fab	5027241
92210A303	Flat Socket Cap Screw	4 pcs (4 ea)	170-Small Fab	9083914
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	6 ft (6 ea)	170-Small Fab	5047767
SWA3-100	Upper End - Swa3 Swivel	1 pcs (1 ea)	170-Small Fab	
SWA3-200	Lower End	1 pcs (1 ea)	170-Small Fab	
SWA3-300	Wire Clamp	2 pcs (2 ea)	170-Small Fab	
SWA3-400	Button Head Screw	2 Ea (2 ea)	170-Small Fab	5142694
SWA3-500B	Contact Spacer	1 Ea (1 ea)	170-Small Fab	
SWA3-600	O-Ring	1 pcs (1 ea)	170-Small Fab	5142445
SWA3-700	9529K15 Bearing Balls - 1/4"	32 Ea (32 ea)	170-Small Fab	5029455
SWA6A-1900	1/4" Female Spade Connector	6 Ea (6 ea)	170-Small Fab	5084069
SWA6A-900B	Rotary Connector - 3 wire	1 Ea (1 ea)	170-Small Fab	5148632

GREASE AEROSHELL 00.7 (M138724)
SILICONE GE (M138942)

LOCTITE 242 (M138766)

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	SWA3-3	1	0	0
170-Small Fab	188-FPSS-832-1/4	1	23	0
	92210A303	4	108	0
	EL-PLUG-F	1	23	0
	EL-PLUG-M	1	38	0
	EL314-SJTOW	6	380	0
	SWA3-100	1	4	0
	SWA3-200	1	1	0
	SWA3-300	2	35	0
	SWA3-400	2	15	0
	SWA3-500B	1	0	0
	SWA3-600	1	17	0
	SWA3-700	32	120	0
	SWA6A-1900	6	347	0
	SWA6A-900B	1	1	0

Part Specifications

Specifications could not be found.

5 514492
15 5087699
15 5068311
15 5137756
15 5099649

Plex 1/15/19 10:39 AM Dart.Gagnon.Michelle

Inspection Sheet Complete RA523

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
SWA3-3A	AC10009	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S141081	Overhaul
SWA3-3A	2304-C5	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S141082	Overhaul
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: _____ 0

Date: 0-Jan-00 _____

RETURN AUTHORIZATION



RA #: RA523
Date: December 11, 2018
Attention: Jason Buick
E-mail: N/A
From: Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Eugene Dart Aerospace Ltd. 190 S. Danebo Avenue Eugene, OR 97402, US 1-541-344-9953
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SHIPPING

Courier:	Customers Choice
Account #:	Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	SWA3-3A	P/N:	SWA3-3A
Description:	Swivel	Description:	Swivel
Qty:	1	Qty:	1
Flown:	N/A	Flown:	N/A
Customs Value USD:	\$500	Customs Value USD:	\$500
Batch / Serial #	TBA <i>Ac 10009</i>	Batch / Serial #	TBA <i>2304-C5</i>
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:	<i>overhaul</i>
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H:\Forms\Quality Assurance\approved QA Online\RA revK



Heli Support New Zealand Ltd
8 Mustang Lane, Wanaka Airport, RD2 Wanaka, 9382
Ph: 03 443 2903, Fax: 03 443 2907
Email: admin@helisupport.co.nz

TECHNICAL DIRECTIVE

TD No: P-3982
DATE: 10/12/2018
DATE REQUIRED: 10/12/2018
JOB No: 11274
AIRCRAFT: zzzzzzz SN: zzzzzz

TO: Dart Aerospace Ltd

ADDRESS: 1270 Aberdeen Street
Canada

DELIVER TO: Helisupport NZ Ltd
8 Mustang Lane
Wanaka, 9382

EMAIL: dartsalesasiapacific@dartaero.c FAX:

Component Details: Work to be carried out in accordance with...

Description: 2 x Dart SWA3 Rotary Contact Swivel **Part #:** SWA3-3

Work Required:

Please overhaul 2 x Dart SWA3 Rotary Contact Swivel IAW O&OPM-SWA3, Rev.3.

Please return to:
Helisupport NZ Ltd
c/o Cameron Air and Sea Freight
14 McLeans Island Road, Harewood
Christchurch Airport
Christchurch 8051
New Zealand
.. on Camerons DHL a/c 962806012

RA#: RA523

Work Extras:	Required?	Completed?	Certification Type:	Required?	Completed?
Strip Report Required	NO	☐	Form One	YES	☐
Certification Required	YES	☐	Log Book Entry	NO	☐
Authorised By: Jason Buick Authorisation No:			Other:	NO	☐
			Signed Declaration: N/A		
Signed: 			I hereby certify that the above work has been carried out as per the drawings/specifications provided.		
Date: 12-12-18			Signed: _____ Date: _____		



Overhaul Incoming Inspection
SWIVEL SWA3-3

Customer

523
RA ~~253~~ / OH 188758

Date

2019/01/16

Part Number

SWA3-3

Serial Number

2304-C5

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) X SWAGA-900B ROTARY SWITCH

☐

(2) X SWA3-400 BUTTON HEAD SCREW

☐☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042320



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO042320
PO Date: 1/18/19
Due Date: 1/23/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH188758	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg)	Firmed	-	1/23/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
	OH188756			Firmed	-	1/23/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Sub Total:							2	0	2		\$356.00
2	OH188755	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity	Firmed	-	1/23/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Grand Total:											\$534.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO39021	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO042320 ✓
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON:**

- ✓ 2 ELECTRIC SWIVEL, P/N# SWA3-3-OH, J/S# OH188756, OH188758 ^{1x ✓ 2x ✓}
✓ 1 C-SERIES REMOTE HOOK, P/N# C10-OH, J/S# OH188755 ^{16 pcs box said 10 pcs}

Action Taken:						Date:	Initial/Stamp:
LPI & MPI C/O IAW ASTM E-1417M-16 AND E-1444M-16 ***NO CRACK FOUND*** MAGBENCH S/N 208123 CAL DUE: 5-APR-2019, POWDER 14A BATCH# MPO13600, CARRIER II BATCH# MPO20165 PEN ZL-37, MPO23206, CLEANER SKC-S MPO15030, EMU. MPO15896, DEV. MPO15030, UV LIGHT M-20142						JAN 23 2019	 DAS 38 9-89
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp 	Date: JAN 23 2019
Name: RAFIK MELIKIAN		



Electric Swivel
SWA3

(PRETEST)

Work Order OH 188758

Customer RA 523

Number of Wires 3

Date 2019-1-15

Serial Number 2304-C5

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	-
1	3,000	Check all wires for grounding against swivel body.	-
1	1,500	Check for Conductivity against all wires.	-
1	1,500	Check all wires for grounding against swivel body.	-
1	750	Check for Conductivity against all wires.	-
1	750	Check all wires for grounding against swivel body.	-
1	0	Check for Conductivity against all wires.	-
1	0	Check all wires for grounding against swivel body.	-

Test Conducted By: Michel Rolonde
Technician

Signature: _____
QC 5 Small FAB / QA

Submit



HAN

2/2 : 2304-66

Job : 04188758 / RA 523

RA. #

ALAIN PATRY



Electric Swivel
SWA3

Work Order OH 188758

Customer RA 523

Number of Wires 3

Date 2019-1-30

Serial Number 2304-C5

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	- Pass
1	3,000	Check all wires for grounding against swivel body.	- Pass
1	1,500	Check for Conductivity against all wires.	- Pass
1	1,500	Check all wires for grounding against swivel body.	- Pass
1	750	Check for Conductivity against all wires.	- Pass
1	750	Check all wires for grounding against swivel body.	- Pass
1	0	Check for Conductivity against all wires.	- Pass
1	0	Check all wires for grounding against swivel body.	- Pass

Test Conducted By: Michel Lalonde
Technician

Signature: Sylvie Paucher
QC 5 Small FAB / QA

Submit